	Application No.	Applicant(s)
Notice of Allowability	10/026,637	KOYAMA ET AL.
	Examiner	Art Unit
	ARMANDO RODRIGUEZ	2828
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to July 27, 2005. 2. The allowed claim(s) is/are 1-10,13-23,27 and 28. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892)	E Notice of Informal D	Actont Application (DTO 152)
 Notice of References Cited (P10-892) Divide of Draftperson's Patent Drawing Review (PT0-948) 	6. ☐ Interview Summary	Patent Application (PTO-152)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Date	te
Paper No./Mail Date		
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	<u> </u>	ent of Reasons for Allowance
	9. Other	

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tarik M. Nabi on October 13, 2005.

The application has been amended as follows:

In claim 1 line 4, **delete** "itself", **insert** – the second reflection layer --,

In claim 16 line 4, **delete** "itself", **insert** – the second reflection layer --,

In claim 16 line 6, before "media", delete "the", insert – a --,

In claim 16 line 6, before "light", delete "the".

Allowable Subject Matter

Claims 1-10, 13-15, 16-23, 27 and 28 are allowed.

The following is an examiner's statement of reasons for allowance:

After reviewing applicant's amendment, arguments and conducting an updated search none of the cited prior arts alone or in combination discloses the claimed surface emitting semiconductor laser having the recited limitations of independent claims 1 and 16.

Regarding claims 1-10,13-15, 27, 28,

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None of the cited prior arts alone or in combination discloses, suggest or imply the recited surface emitting semiconductor laser having the recited limitations, in particular the single light emitting region, which implies the surface layer, including the boundary region and the plurality of divided regions for suppression of the oscillating mode.

Regarding claims 16-23,

None of the cited prior arts alone or in combination discloses, suggest or imply the recited surface emitting semiconductor laser having the recited limitations, in particular the light emitting region, which implies the surface layer, with a plurality of divided regions having surface layers with different refractive indices for obtaining the same phase of the light emitting spots.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ARMANDO RODRIGUEZ whose telephone number is 571-272-1952. The examiner can normally be reached on 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MINSUN HARVEY can be reached on 571-272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ARMANDO RODRIGUEZ

Examiner

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